

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/035023 A1

(51) International Patent Classification: **A61M 1/28**

(21) International Application Number:
PCT/SE2004/001467

(22) International Filing Date: 13 October 2004 (13.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0302698-6 13 October 2003 (13.10.2003) SE
60/523,334 20 November 2003 (20.11.2003) US

(71) Applicant (for all designated States except US): **GAM-BRO LUNDIA AB** [SE/SE]; P.O. Box 10101, S-220 10 Lund (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JANSSON, Olof**

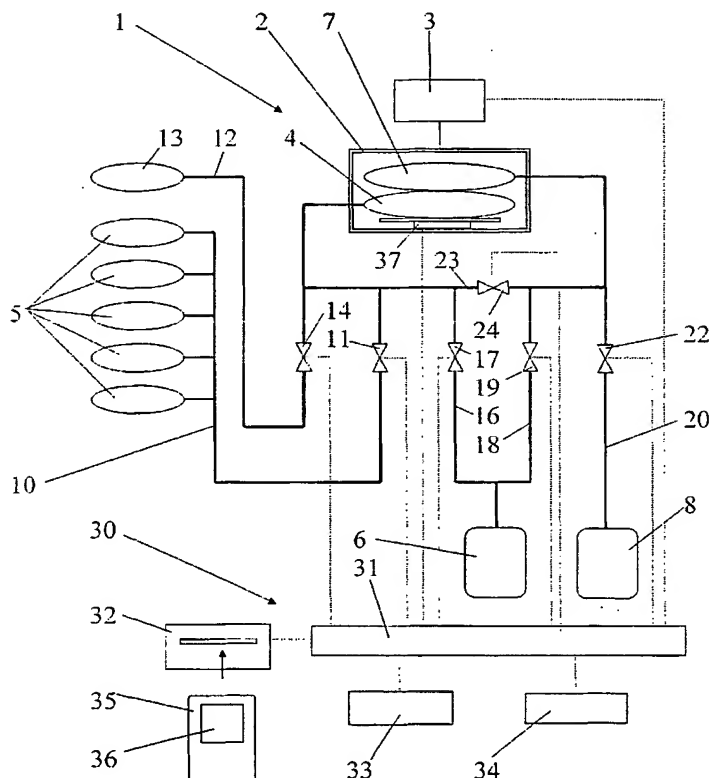
[SE/SE]; Näktergalsgatan 33, S-235 38 Vellinge (SE). **BERNARD, Pascal** [FR/FR]; 78 Chemin du Petit Bois, F-69130 Ecully (FR). **DURAND, Pierre-Yves** [FR/FR]; Le Clos du Belvedere, 55, rue Joseph Mougin, F-54000 Nancy (FR). **HOBRO, Sture** [SE/SE]; Gilleskroken 2, S-226 47 Lund (SE). **PERSSON, Eva** [SE/SE]; Södra Esplanaden 6, S-223 54 Lund (SE). **THELL, Bengt-Olov** [SE/SE]; Roslöfsvägen 3, S-240 32 Flyinge (SE).

(74) Agents: **BERGLUND, Stefan** et al.; Bjerkéns Patentbyrå KB, Östermalmsgatan 58, S-114 50 Stockholm (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

[Continued on next page]

(54) Title: A DEVICE FOR CARRYING OUT A PERITONEAL DIALYSIS TREATMENT



(57) Abstract: The invention concerns a device and a method for a peritoneal dialysis treatment in several cycles. A cyclor (1) controlled by a processor (31) fills the abdominal cavity with dialysis fluid, and drains the abdominal cavity. A sensor (37) senses a variable related to the draining of the dialysis fluid. The draining is interrupted when the variable reaches a breakpoint at which the variable is radically changed, thereby leaving the residual volume.



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

SK, TR). OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.